Haram Yoon

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[GitHub](#) | [LinkedIn](#) | [Calendly Meeting](#) | [Personal Porfolio](#)

EDUCATION

Pomona College | GPA - 3.7/4.0 | Expected Grad: May 2026   Claremont, CA
B.A. in Computer Science & Cognitive Science w/ math & data science minors
Relevant Coursework: Intro CS w/ AI topics, Linear Algebra, Data Science and Statistical Learning, Intro to Cognitive Science, Cognition and the Brain, Calculus III

SKILLS

Front-End Skills: *HTML, CSS, Tailwind, Bootstrap, **Javascript, Typescript**, React, Redux,*
Back-End Skills: *Node.js, Express, MongoDB, Firebase, Next.js, tRPC, Prisma, **Python**, Flask, **SQL**(NoSQL, MySQL)**,** AWS Cloud, Unit Testing*
Other: *Pandas, Numpy, Data Analysis, **R**, OOP, Git/GitHub, Jupyter, Visual Studio,*

EXPERIENCE

Pomona College ITS Service Desk Consultant (Claremont, CA) — *Employee*   9/2022-PRESENT
- Represented the college's first line of help regarding information technology issues
- Resolved dozens of software issues each day, and contributed to improving the hardware supply and loan system efficiency by 50% through an enhanced ticket system
- Orchestrated seamless integration of Pomona's ITS systems by collaborating with cross-functional teams, resulting in a 40% increase in system uptime

CERTIFICATES

JPMorgan Software Engineering Virtual Experience Program — *Intern*   10/2022
- Expanded software engineering skills through data feed analysis interfaces, JMPC frameworks, and perspective data visualization software

Lyft Back-End Engineering Virtual Experience Program — *Intern*   8/2023
- Accumulated valuable insight in designing software architecture, refactoring broken systems, developing unit tests, and creating functionality through test-driven development

SD4x: Programming for the Web with JavaScript From UPenn — *Student*   5 -7/2020
- Mastered manipulating Javascript DOM, handling promises & callbacks, and structuring with HTML/CSS

PROJECTS

Fullstack E-commerce Site ([GitHub](#) / [Website](#)) - *Html, CSS, React, React-DOM, Redux, Firebase, FireStore (NoSQL), Stripe API, Node, Express*
- Utilized redux state container in accordance with React/React-dom to create 30+ navigable pages and 20+ pseudo products with reviews for a seamless UI and a responsive frontend
- Developed Firebase-based user authentication flows, account management, and data persistence across products, users, carts, and orders through Firestore's dynamic schemas
- Administered admin roles to access a dashboard that allowed for admin product and user CRUD operations within Firestore
- Engineered Nodejs server to replicate checkout functionality through Express and Stripe API

Spoti-Tweet ([GitHub](#) / [Website](#)) - *Html, Tailwind, TypeScript, Nextjs, NextAuth, Prisma, tRPC, MySQL, Spotify API*
- Developed a full-stack web app cloning core Spotify features and Twitter posts that consist of a song being attached to some content using Next.js, MySql, and the Spotify API
- Implemented Spotify OAuth integration with NextAuth to retrieve users' playlists and top songs/artists and create users for the MySql database
- Engineered reusable UI components like custom players, search, and artist/playlist/song info using Spotify API to replicate the Spotify experience
- Designed Prisma models for a type-safe relational data model and tRPC APIs for type-safe CRUD operations for a user's profile, posts, comments, likes, feed, and following

AI Sudoku Solver ([GitHub](#)) - *Python, Informed Search, BackTracking*
- Designed and built a recursive, backtracking algorithm to solve 9x9 Sudoku puzzles utilizing constraint propagation and depth-first search techniques.
- Optimized performance via caching and cell selection ordering, achieving average solve times under 1 sec.